

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-001179

(43)Date of publication of application : 09.01.2001

(51)Int.CI.

B23K 35/22
C22C 21/00
F28F 21/08

(21)Application number : 11-176594

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(22)Date of filing : 23.06.1999

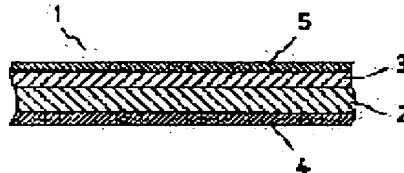
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(54) ALUMINUM ALLOY BRAZING SHEET FOR VACUUM SOLDERING, HAVING SATISFACTORY CORROSION RESISTANCE AND HEAT EXCHANGER USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain an aluminum alloy brazing sheet for heat exchanger, whose corrosion resistance is excellent, whose clad rolling property and moldability are also excellent and which is assembled by vacuum brazing.

SOLUTION: A core material 2 consists of, by weight, 0.5–1.6% Mn, 0.10–0.50% Cu, 0.05–0.50% Mg, 0.06–0.30% Ti and the remainder consist of Al and inevitable impurities. An intermediate layer 3 contains 0.2–1.5% Mg, further it contains one kind or over of 0.5–4% Zn, 0.005–0.2% In and 0.01–0.2% Sn and the remainder consist of the Al and inevitable impurities, its thickness is 50 µm or over and is equivalent or below (thickness of an intermediate layer material/thickness of the core material ≤1) to the thickness of the core material 2. An outer brazing material 5 and an inner brazing material 4 consist of an Al-Si-Mg-based alloy. Thus, the four-layer structure consists of the outer brazing material 5/intermediate layer material 3/the core material 2/the inner brazing material 4 in this order.



LEGAL STATUS

[Date of request for examination] 12.04.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]
[Patent number] 3494591
[Date of registration] 21.11.2003
[Number of appeal against examiner's decision
of rejection]
[Date of requesting appeal against examiner's
decision of rejection]
[Date of extinction of right]

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